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06 (08.02.3; 08.14.2; 08.09.02 GRS 1741.9–2853; 13.25.1; 13.25.5) Discovery of type-I X-ray bursts from
GRS 1741.9–2853

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Cocchi et al.

abstract For the first time X-ray bursts have been detected from a sky position consistent with the
one of GRS 1741.9–2853, a GRANAT transient source located only $\sim 10^\circ$ from the Galactic Centre. A
total of 3 bursts have been observed by the Wide Field Cameras telescopes on board BeppoSAX during a
monitoring observation of the Sgr A region in August-September 1996. The characteristics of the events
are consistent with type-I bursts, thus identifying the source as a likely low-mass X-ray binary containing
a neutron star. Evidence of photospheric radius expansion due to super-Eddington luminosity is present in
one of the observed bursts, thus leading to an estimate of the source distance (~ 8 kpc).

binaries:close – stars: neutron, individual (GRS 1741.9–2853) – X-rays: bursts





